

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:25:24 ON 30 JAN 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 14:25:33 ON 30 JAN 2006

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STRUCTURE FILE UPDATES: 29 JAN 2006 HIGHEST RN 872967-60-7

DICTIONARY FILE UPDATES: 29 JAN 2006 HIGHEST RN 872967-60-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

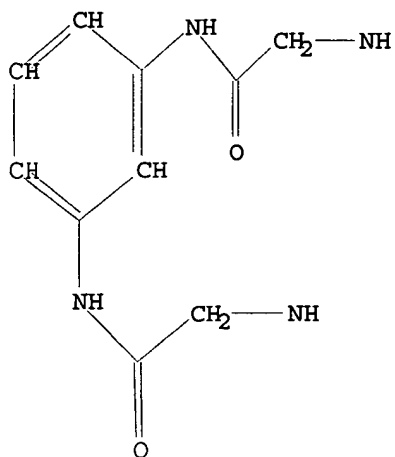
Uploading C:\Program Files\Stnexp\Queries\8601.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 14:25:51 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      222 TO ITERATE
```

```
100.0% PROCESSED      222 ITERATIONS      0 ANSWERS
SEARCH TIME: 00.00.01
```

```
FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   3547 TO    5333
PROJECTED ANSWERS:      0 TO      0
```

```
L2      0 SEA SSS SAM L1
```

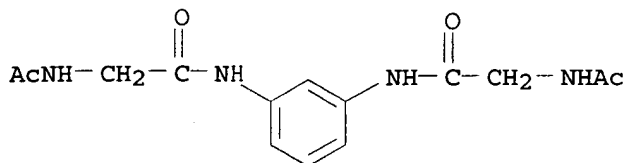
```
=> s l1 ful
FULL SEARCH INITIATED 14:25:56 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      5176 TO ITERATE
```

```
100.0% PROCESSED      5176 ITERATIONS      7 ANSWERS
SEARCH TIME: 00.00.01
```

```
L3      7 SEA SSS FUL L1
```

```
=> d l3 1-7
```

```
L3  ANSWER 1 OF 7  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   872338-03-9  REGISTRY
ED   Entered STN:  20 Jan 2006
CN   INDEX NAME NOT YET ASSIGNED
FS   3D CONCORD
MF   C14 H18 N4 O4
SR   CA
LC   STN Files:   CA, CAPLUS
```

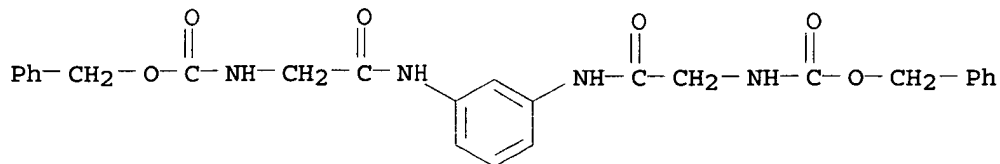


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

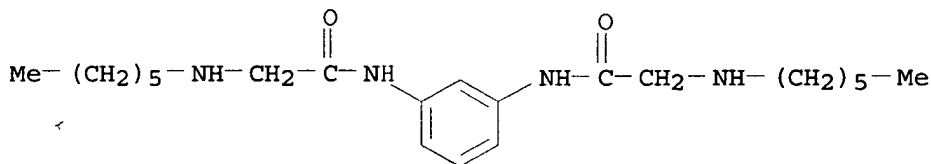
L3 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 857579-71-6 REGISTRY  
 ED Entered STN: 29 Jul 2005  
 CN Benzene, m-bis( $\alpha$ -carboxyaminoacetamido)-, dibenzyl ester (4CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C26 H26 N4 O6  
 SR CAS EARLY REGISTRATIONS  
 LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

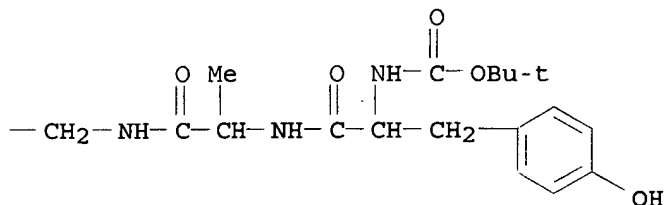
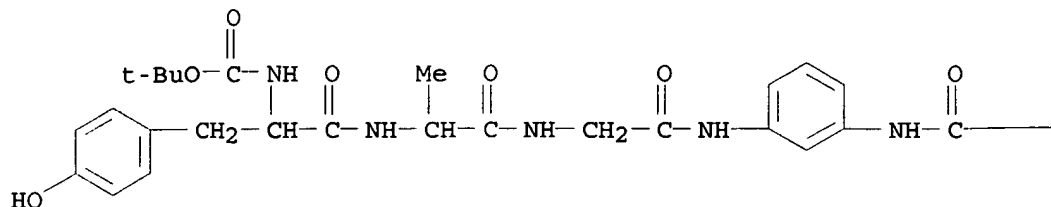
L3 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 642444-38-0 REGISTRY  
 ED Entered STN: 28 Jan 2004  
 CN Acetamide, N,N'-1,3-phenylenebis[2-(hexylamino)- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C22 H38 N4 O2  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 122262-00-4 REGISTRY  
 ED Entered STN: 18 Aug 1989  
 CN Glycinamide, N-[(1,1-dimethylethoxy)carbonyl]-L-tyrosyl-D-alanyl-N-[3-[N-[N-[N-[(1,1-dimethylethoxy)carbonyl]-L-tyrosyl]-D-alanyl]glycyl]aminophenyl]- (9CI) (CA INDEX NAME)  
 MF C44 H58 N8 O12  
 SR CA  
 LC STN Files: CA, CAPLUS, USPATFULL



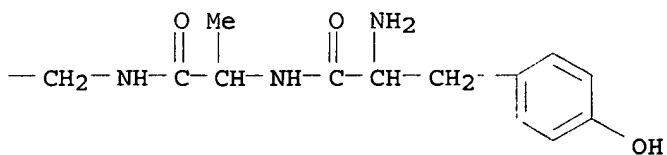
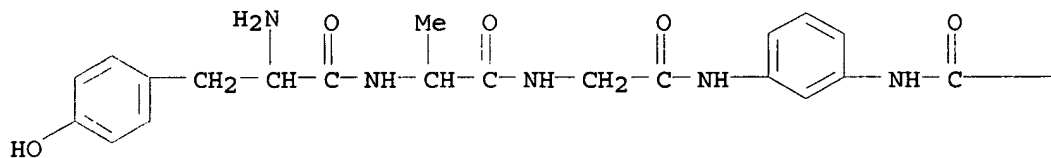
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 122261-72-7 REGISTRY  
ED Entered STN: 18 Aug 1989  
CN Glycinamide, L-tyrosyl-D-alanyl-N-[3-[N-(N-L-tyrosyl-D-alanyl)glycyl]amino]phenyl]-, diacetate (salt) (9CI) (CA INDEX NAME)  
MF C34 H42 N8 O8 . 2 C2 H4 O2  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

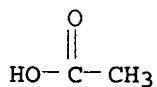
CM 1

CRN 122261-71-6  
CMF C34 H42 N8 O8



CM 2

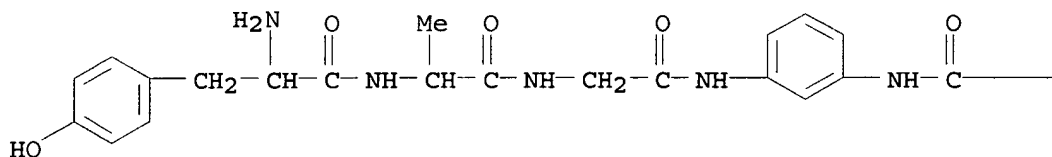
CRN 64-19-7  
CMF C2 H4 O2



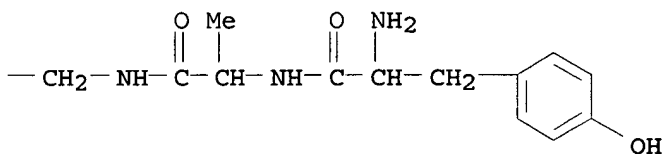
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 122261-71-6 REGISTRY  
ED Entered STN: 18 Aug 1989  
CN Glycinamide, L-tyrosyl-D-alanyl-N-[3-[[N-(N-L-tyrosyl-D-alanyl)glycyl]aminolphenyl]- (9CI) (CA INDEX NAME)  
MF C34 H42 N8 O8  
CI COM  
SR CA

PAGE 1-A

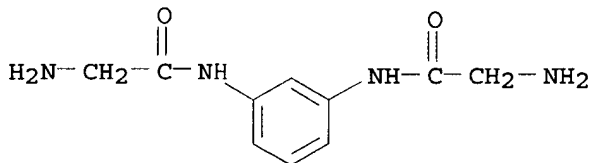


PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 69966-73-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Acetamide, N,N'-1,3-phenylenebis[2-amino- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C10 H14 N4 O2  
LC STN Files: CA, CAPLUS, TOXCENTER



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

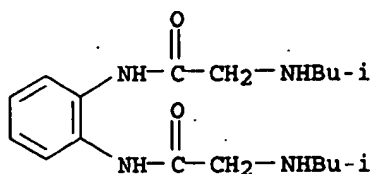
the isolated rabbit intestine and had a slight antihistaminic effect. Infiltration anesthesia in guinea pigs and humans showed a duration of 90 min. average, which was identical with that of lidocaine. In conduction anesthesia, the effect lasted longer than that of lidocaine.

IT Blood pressure  
(-lowering substances, N,N'-bis(isobutylaminoacetyl)-o-phenylenediamine as)  
IT Anesthetics  
(N,N'-bis(isobutylaminoacetyl)-o-phenylenediamine as local)  
IT Intestines  
(N,N'-bis(isobutylaminoacetyl)-o-phenylenediamine effect on)  
IT 2810-42-6, Acetamide, N,N'-o-phenylenebis[2-chloro- 103267-80-7, Acetamide, N,N'-o-phenylenebis[2-isobutylamino-, dipicrate 107924-26-5, Acetamide, N,N'-o-phenylenebis[2-isobutylamino-, dihydrochloride (preparation of)  
IT 103267-80-7, Acetamide, N,N'-o-phenylenebis[2-isobutylamino-, dipicrate 107924-26-5, Acetamide, N,N'-o-phenylenebis[2-isobutylamino-, dihydrochloride (preparation of)  
RN 103267-80-7 HCAPLUS  
CN Acetamide, N,N'-o-phenylenebis[2-isobutylamino-, dipicrate (6CI) (CA INDEX NAME)

CM 1

CRN 23724-96-1

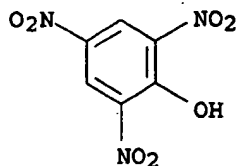
CMF C18 H30 N4 O2



CM 2

CRN 88-89-1

CMF C6 H3 N3 O7



RN 107924-26-5 HCAPLUS

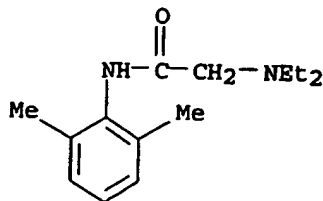
CN Acetamide, N,N'-o-phenylenebis[2-isobutylamino-, dihydrochloride (6CI)  
(CA INDEX NAME)

# BEST AVAILABLE COPY

kumar - 10/ 828601

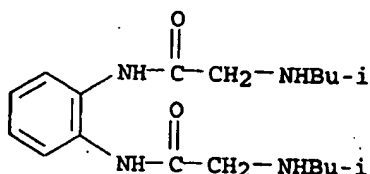
Page 36

CN Acetamide, 2-(diethylamino)-N-(2,6-dimethylphenyl)- (9CI) (CA INDEX NAME)



RN 23724-96-1 HCAPLUS

CN Acetamide, N,N'-1,2-phenylenebis[2-[(2-methylpropyl)amino]- (9CI) (CA INDEX NAME)



L45 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2005 ACS on STN

AN 1958:67835 HCAPLUS

DN 52:67835

OREF 52:12211b-e

ED Entered STN: 22 Apr 2001

TI A local anesthetic derived from o-phenylenediamine:  
N,N'-bis(isobutylaminoacetyl) - o-phenylenediamine

AU Tricerri, S.; Guzzon, V.

CS Ist. sieroterap. Milan. S. Belfanti

SO Farmaco, Edizione Scientifica (1957), 12, 954-9

CODEN: FRPSAX; ISSN: 0430-0920

DT Journal

LA Unavailable

CC 11H (Biological Chemistry: Pharmacology)

AB One mole o-phenylenediamine in 3 vols. AcOH and 2.2 moles

ClCH2COCl gives in the presence of NaOAc at room temperature 87% N,N' - bis(chloroacetyl) - o - phenylenediamine, m. 192-4°.

Treating it with 5 moles iso-BuNH2 in C6H6, first at room temperature, then by refluxing 8 hrs., filtering, evaporating in vacuo, dissolving in 2 l. H2O containing 2 moles HCl, adjusting the pH to 6.5, decolorizing, and filtering, gave by alkalization 100% N,N'-bis(isobutylaminoacetyl)-o-phenylenediamine, m. 88-9°; HCl salt m. 264° (MeOH). The

acute subcutaneous toxicity of the HCl salt in the mouse was L.D.50 940 mg./kg., in the guinea pig 850 to 1100 mg./kg. Subcutaneous instillation of a 2% solution in rabbits and guinea pigs was seemingly well tolerated. There was no reaction in the rabbit eye. Giving 1 cc. trypan blue intravenously 20 min. after a subcutaneous injection of 0.3 cc. caused a slight blue coloration at the site of injection, indicating a mild irritation. The min. hemolytic concentration was 2%. Doses of 1 mg./kg. caused

in the anesthetized rabbit a drop in blood pressure and an insignificant effect on respiration. The drug inhibited the spontaneous movements of

jan delaval - 5 august 2005

**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.34	2.55

FILE 'CAPLUS' ENTERED AT 14:30:39 ON 30 JAN 2006  
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FILE LAST UPDATED: 29 Jan 2006 (20060129/ED)

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<http://www.cas.org/infopolicy.html>

=> s l1

L2 1 L1

=> d

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1979:180073 CAPLUS  
DN 90:180073  
TI Pharmacological properties of N,N'-bis(aminoacyl)phenylenediamines  
AU Kostowski, Wojciech; Radecki, Kazimierz; Kwapiszewski, Wincenty; Grabowska, Barbara; Strzalkowska, Malgorzata; Witanowska, Anna  
CS Dep. Exp. Pharmacol., Sch. Med., Warsaw, Pol.  
SO Acta Poloniae Pharmaceutica (1978), 35(3), 379-83  
CODEN: APPHAX; ISSN: 0001-6837  
DT Journal  
LA Polish

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.60	4.15

FILE 'REGISTRY' ENTERED AT 14:31:18 ON 30 JAN 2006  
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STRUCTURE FILE UPDATES: 29 JAN 2006 HIGHEST RN 872967-60-7  
DICTIONARY FILE UPDATES: 29 JAN 2006 HIGHEST RN 872967-60-7



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\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

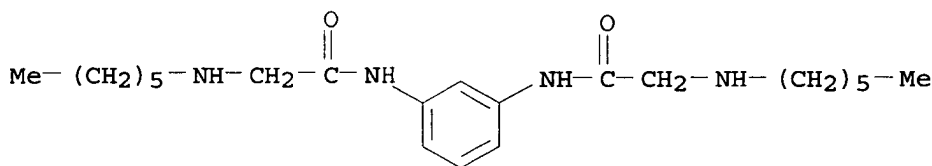
REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 642444-38-0  
L3 1 642444-38-0  
(642444-38-0/RN)

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 642444-38-0 REGISTRY  
ED Entered STN: 28 Jan 2004  
CN Acetamide, N,N'-1,3-phenylenebis[2-(hexylamino)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C22 H38 N4 O2  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	2.34	6.49

FILE 'CAPLUS' ENTERED AT 14:31:40 ON 30 JAN 2006  
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FILE LAST UPDATED: 29 Jan 2006 (20060129/ED)

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=> s l3

L4 1 L3

=> d

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:731249 CAPLUS  
DN 140:103805  
TI Metal-directed self-assembly of bimetallic dithiocarbamate transition metal cryptands and their binding capabilities  
AU Beer, Paul D.; Berry, Neil G.; Cowley, Andrew R.; Hayes, Elizabeth J.; Oates, Edward C.; Wong, Wallace W. H.  
CS Department of Chemistry, Inorganic Chemistry Laboratory, University of Oxford, Oxford, OX1 3QR, UK  
SO Chemical Communications (Cambridge, United Kingdom) (2003), (19), 2408-2409  
CODEN: CHCOFS; ISSN: 1359-7345  
PB Royal Society of Chemistry  
DT Journal  
LA English  
OS CASREACT 140:103805  
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

FILE 'CAPLUS' ENTERED AT 14:26:14 ON 30 JAN 2006  
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=> s l3

L4 5 L3

=> d l4 1-5

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:1178327 CAPLUS  
DN 144:88392  
TI Toward a general method for CCC N-heterocyclic carbene pincer synthesis: Metalation and transmetalation strategies for concurrent activation of three C-H bonds  
AU Rubio, Ramel J.; Andavan, Gurusamy Thangavelu Senthil; Bauer, Eike B.; Hollis, T. Keith; Cho, Joon; Tham, Fook S.; Donnadieu, Bruno  
CS Department of Chemistry, Physical Sciences 1, University of California, Riverside, CA, 92521-0403, USA  
SO Journal of Organometallic Chemistry (2005), 690(23), 5353-5364  
CODEN: JORCAI; ISSN: 0022-328X  
PB Elsevier B.V.  
DT Journal  
LA English  
RE.CNT 96 THERE ARE 96 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:731249 CAPLUS  
DN 140:103805  
TI Metal-directed self-assembly of bimetallic dithiocarbamate transition metal cryptands and their binding capabilities  
AU Beer, Paul D.; Berry, Neil G.; Cowley, Andrew R.; Hayes, Elizabeth J.; Oates, Edward C.; Wong, Wallace W. H.  
CS Department of Chemistry, Inorganic Chemistry Laboratory, University of Oxford, Oxford, OX1 3QR, UK  
SO Chemical Communications (Cambridge, United Kingdom) (2003), (19), 2408-2409  
CODEN: CHCOFS; ISSN: 1359-7345  
PB Royal Society of Chemistry  
DT Journal  
LA English  
OS CASREACT 140:103805  
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:515752 CAPLUS  
 DN 111:115752  
 TI Preparation, testing, and formulation of enkephalin analogs as analgesics  
 IN Yagi, Kunio; Shimohigashi, Yasuyuki; Kodama, Hiroaki; Ogasawara, Tomio;  
 Koshizaka, Takuya; Kurono, Masayasu  
 PA Vitamin Kenkyusho K. K., Japan  
 SO Eur. Pat. Appl., 17 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 307662	A2	19890322	EP 1988-113613	19880822
	EP 307662	A3	19900725		
	R: DE, FR, GB, IT				
	JP 01052796	A2	19890228	JP 1987-208219	19870824
	JP 01083095	A2	19890328	JP 1987-237278	19870924
	US 5061691	A	19911029	US 1988-235867	19880823
PRAI	JP 1987-208219	A	19870824		
	JP 1987-237278	A	19870924		
OS	MARPAT 111:115752				

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1979:180073 CAPLUS  
 DN 90:180073  
 TI Pharmacological properties of N,N'-bis(aminoacyl)phenylenediamines  
 AU Kostowski, Wojciech; Radecki, Kazimierz; Kwapiszewski, Wincenty;  
 Grabowska, Barbara; Strzalkowska, Malgorzata; Witanowska, Anna  
 CS Dep. Exp. Pharmacol., Sch. Med., Warsaw, Pol.  
 SO Acta Poloniae Pharmaceutica (1978), 35(3), 379-83  
 CODEN: APPHAX; ISSN: 0001-6837  
 DT Journal  
 LA Polish

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1942:24755 CAPLUS  
 DN 36:24755  
 OREF 36:3784i,3785a-e  
 TI Synthesis of d-erythro- and d-threo- $\alpha$ -amino- $\beta,\gamma$ -  
 dihydroxybutyric acids  
 AU Niemann, Carl; Nichols, Peter L., Jr.  
 SO Journal of Biological Chemistry (1942), 143, 191-202  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DT Journal  
 LA Unavailable

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:30:06 ON 30 JAN 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 14:30:13 ON 30 JAN 2006

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STRUCTURE FILE UPDATES: 29 JAN 2006 HIGHEST RN 872967-60-7

DICTIONARY FILE UPDATES: 29 JAN 2006 HIGHEST RN 872967-60-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 69966-73-0

L1 1 69966-73-0  
(69966-73-0/RN)

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 69966-73-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN Acetamide, N,N'-1,3-phenylenebis[2-amino- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C10 H14 N4 O2

LC STN Files: CA, CAPLUS, TOXCENTER

